

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

5 1

PUBLICATION NUMBER : 11327496
PUBLICATION DATE : 26-11-99

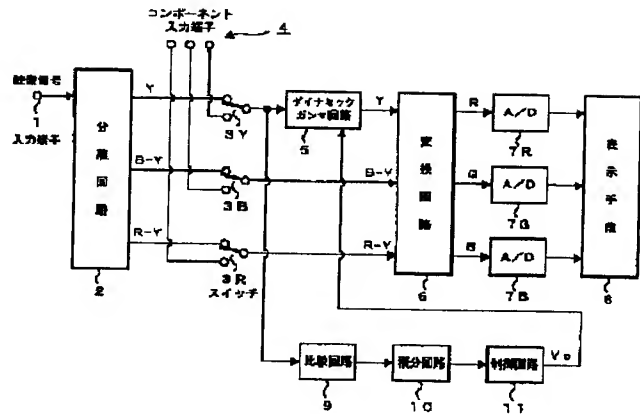
APPLICATION DATE : 03-02-99
APPLICATION NUMBER : 11026514

APPLICANT : SONY CORP;

INVENTOR : YAMAKAWA YOSHIBUMI;

INT.CL. : G09G 3/20 H04N 5/202 H04N 5/66
H04N 9/12 H04N 9/64 H04N 9/69

TITLE : DISPLAY DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To make a dark scene picture easy to see without improving contrast.

SOLUTION: A composite video signal from an input terminal 1 is supplied to a separation circuit 2 and separated to a luminance signal and two color difference signal. This separated luminance signal is supplied to dynamic gamma circuit 5. In this dynamic gamma circuit 5, a characteristic curve of gamma compensation between an input and an output is changed in accordance with a control signal from a control circuit 11 so that an intermediate signal level is strengthened from a nearly straight line. These gamma compensated luminance signal and two color difference signal are converted to three primary colors by a converting circuit 6, and supplied to a display means 8 such as a plasma display and the like through A/D conversion circuits 7R, 7G, 7B, respectively. Also, a luminance signal from the separation circuit 2 is supplied to an integration circuit 10 through a comparing circuit 9, a signal from this integration circuit 10 is supplied to the control circuit 11, and a control signal having magnitude in accordance with an average luminance level is formed.

COPYRIGHT: (C)1999,JPO